

FIG. 1

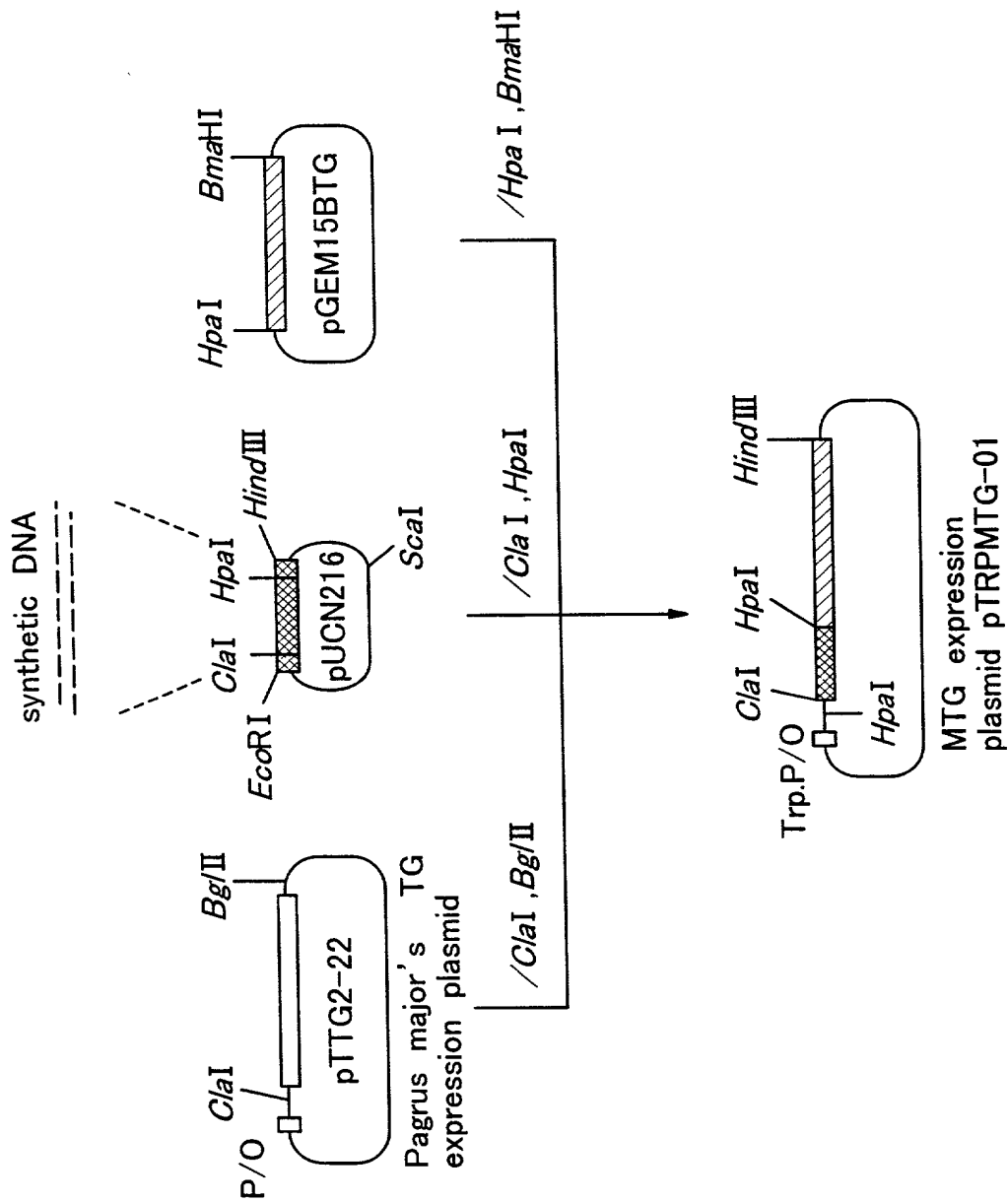


FIG. 2

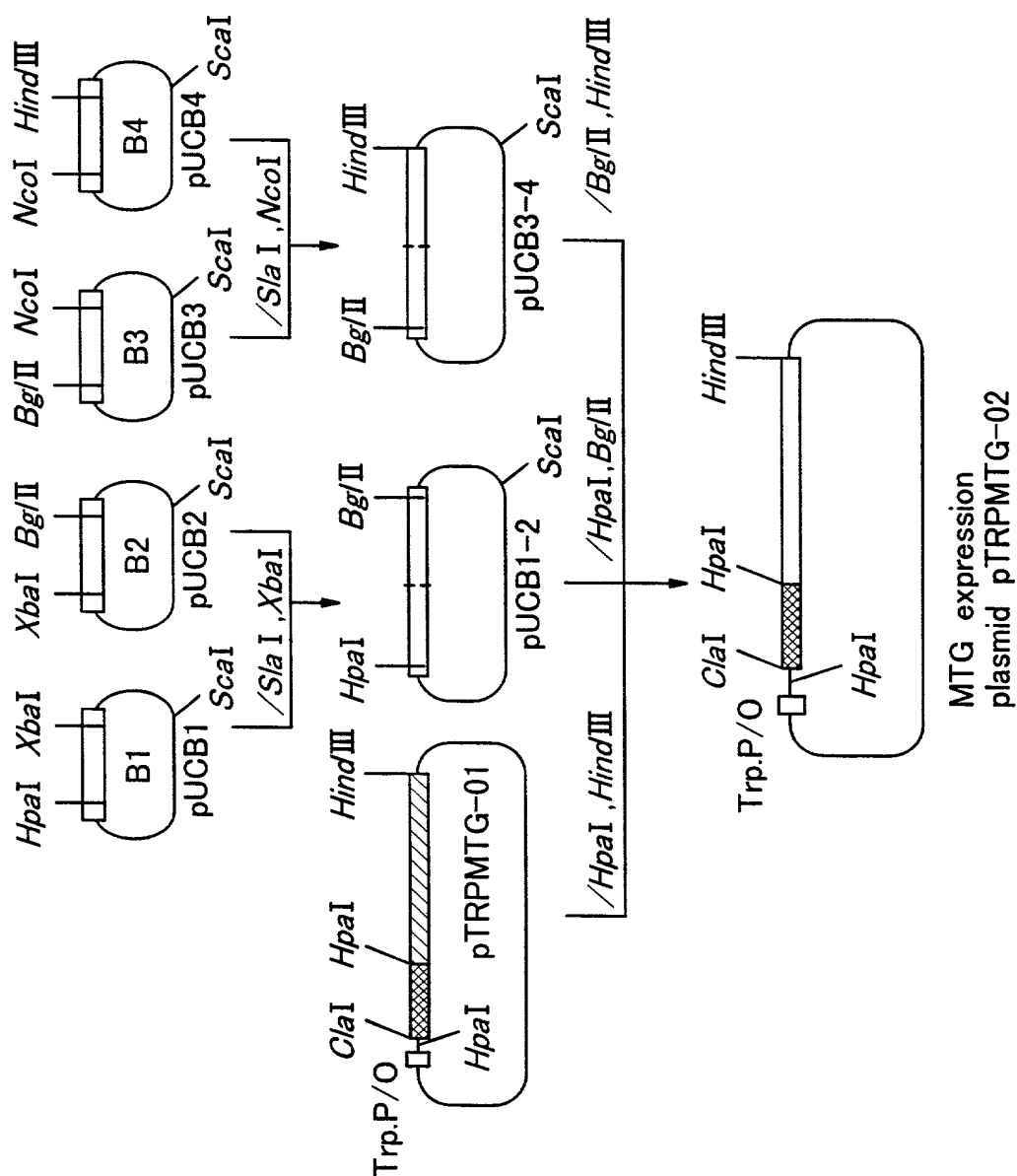
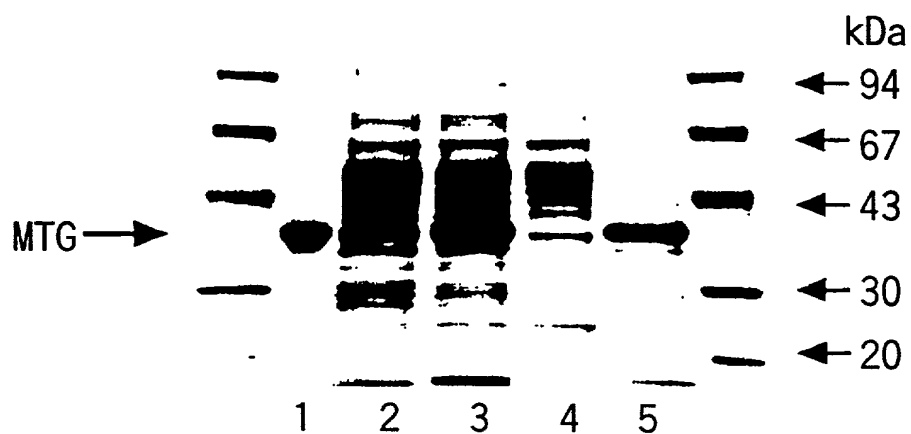


FIG. 3



1. MTG (4 μ g)
2. Whole fraction of broken pUC19/JM109 cells (negative control)
3. Whole fraction of broken pUCTRPMTG-02/JM109 cells
4. Centrifugal supernatant fraction of the third lane
5. Centrifugal precipitate fraction of the third lane

FIG. 4

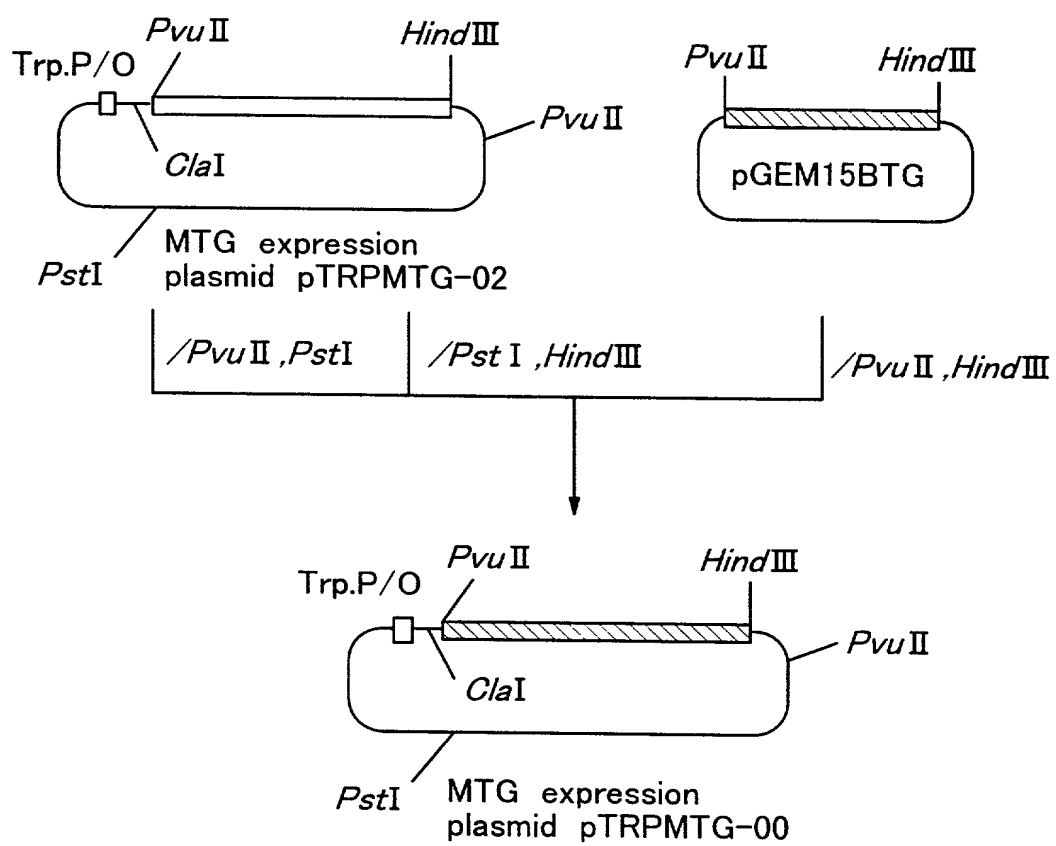


FIG. 5

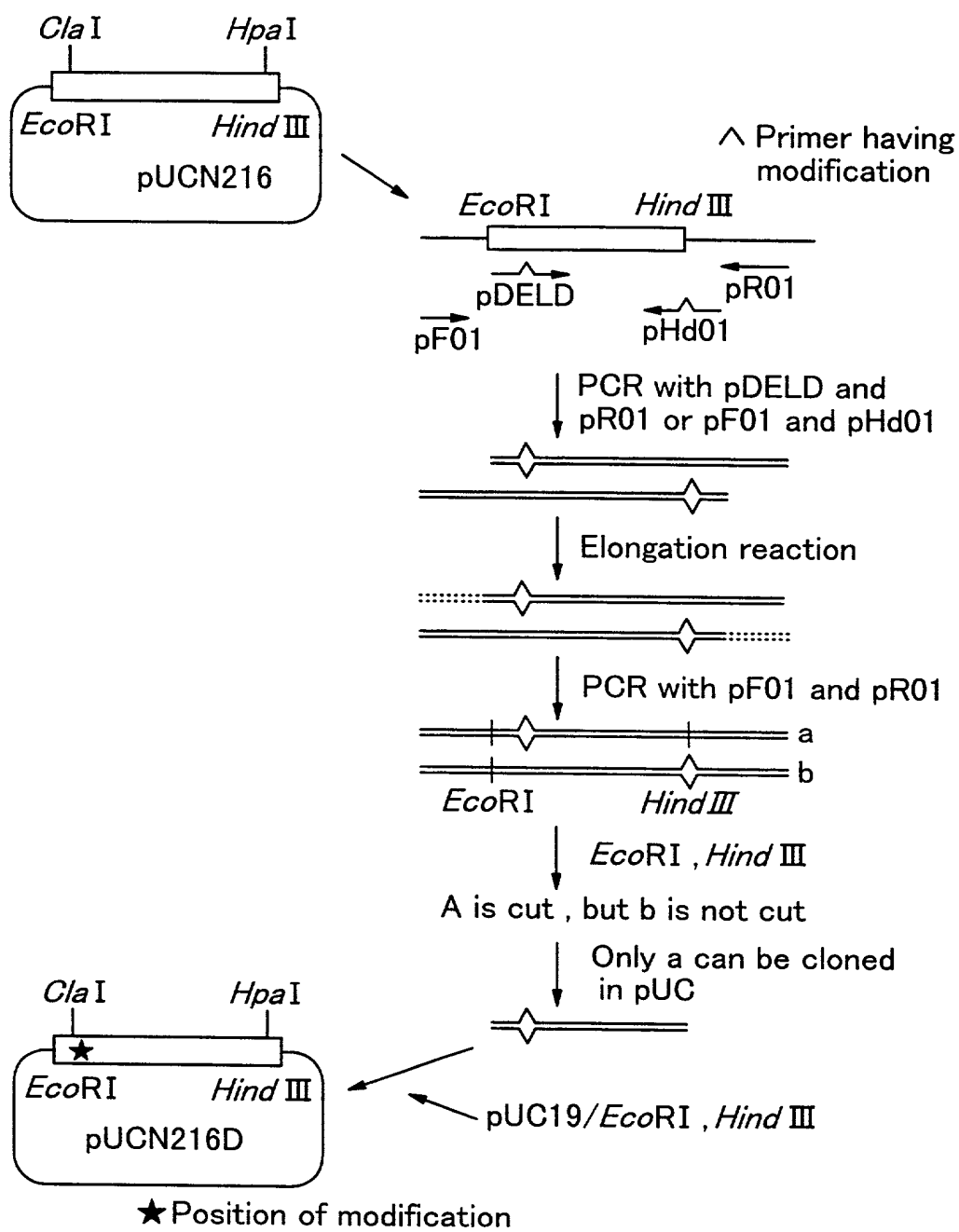


FIG. 6

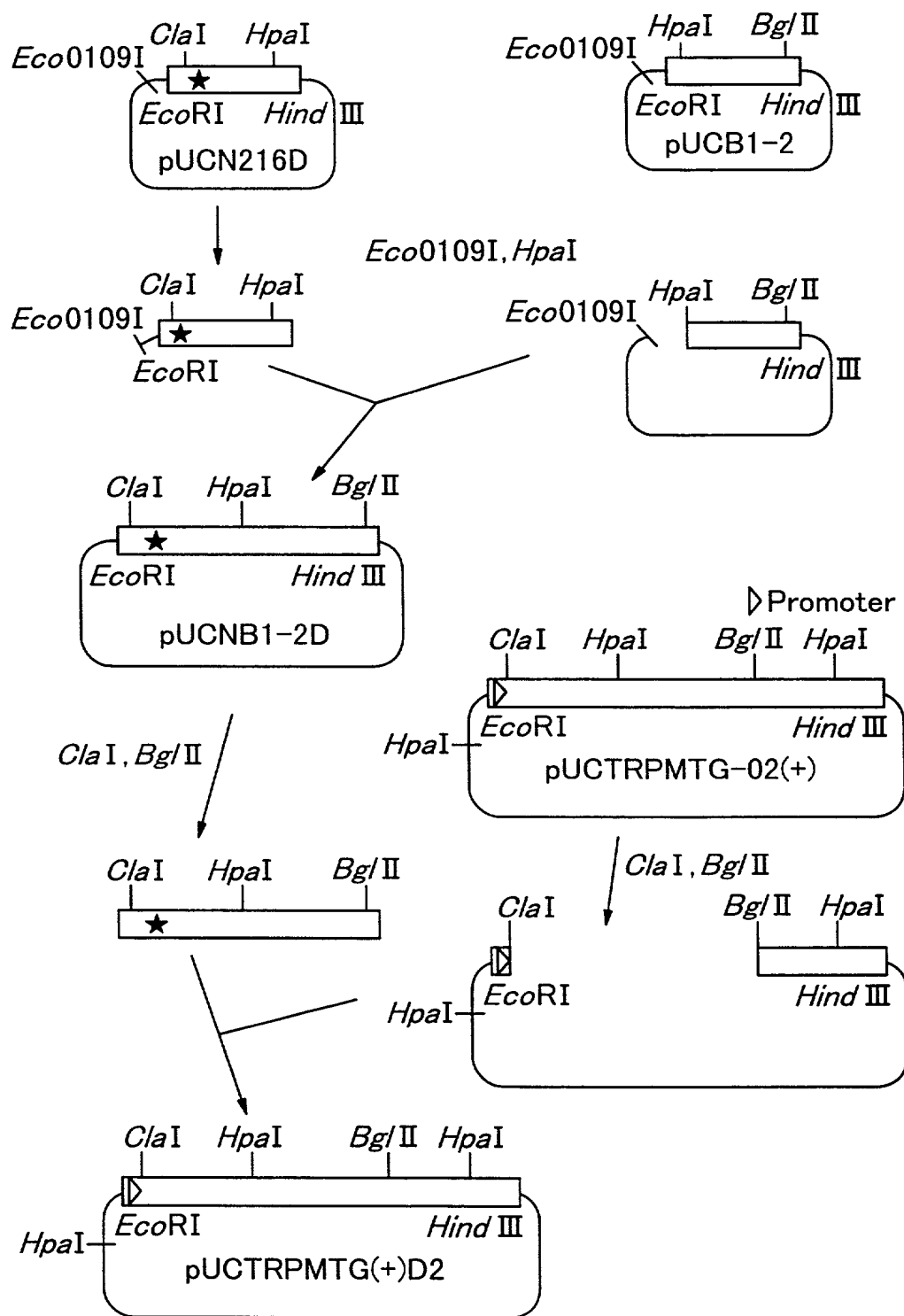


FIG. 7

pUCTRPMTG-02(+) : ...TTTAAATGGATTCTGACGAT...
 M D S D D
 pUCTRPMTG(+)D2 : ...TTTAAATG----TCTGACGAT...
 M S D D

Natural MTG : D S D D are deleted bases

FIG. 8

MTG from pUCTRPMTG(+)D2 : SDDRV...

Reference

Natural MTG : DSDDRV...

MTG from pUCTRPMTG-02(+) : MDSDDRV...